

How The World Works Summative Assessment Task

Central Idea - Vibrations can produce sounds that travel through air and other mediums

TASK:

Choose a role from the following:

Inventor - Produce a new musical instrument and present it through diagrams, writing and promoting to customers

Teacher - Conduct a lesson to Year 2 students about how sounds from instruments travel and can be changed

Scientist - Produce a series of diagrams for a Sound textbook, showing how sounds can be changed and how they travel

Students have to demonstrate the following criteria for their final presentation.

Success Criteria:

- Meets and exceeds standard criteria (Meets all criteria and may excel in one or more by providing diagrams, specific examples and predictions)

- Meets all criteria

- **Describe how sounds are produced using a range of scientific vocabulary**
- **Explain how sounds are made when materials, objects or air vibrate**
- **Demonstrate / explain / describe how the pitch of a sound can be changed**
- **Demonstrate / explain / describe how the volume of a sound can be changed**
- **Explain why sounds get fainter as they travel away from the source**

- Meets 2 or 3 of the criteria

- Meets 1 of the criteria

- Not yet meeting the criteria